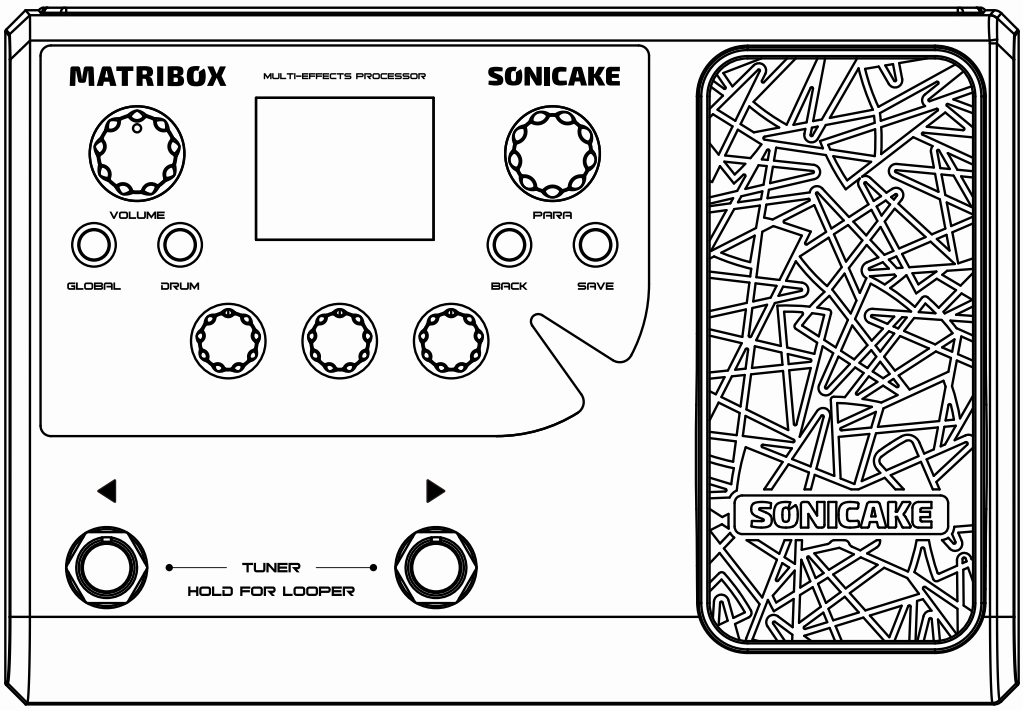
MATRIBOX

MULTI-EFFECTS PROCESSOR

USER'S MANUAL

For Firmware V1.0.4



SONICAKE

www.sonicake.com

※ In the interest of product improvement, the specifications and/or the content of products (including but not limited to appearances, packaging design, manual content, accessories, size, parameters and display screen), are subject to change without prior notice. Please check with local supplier for exact offers. Specifications and features (including but not limited to appearances, colors and size) may vary by model owing to environmental factors, and all images are illustrative.

TABLE OF CONTENTS

ATTENTION

Handling

- Do not get the unit wet. If liquid is spilled on the unit, shut it off immediately.
- Do not block any of the ventilation openings.
- Keep away from heat sources.
- Disconnect the unit during storms to prevent damage.
- Operation of this unit within significant electromagnetic fields should be avoided.

Connecting the power and input/output jacks

- Always turn OFF the power to the unit and all other equipment before connecting or disconnecting any cables.
- Also make sure to disconnect all connection cables and the AC adapter before moving the unit.

Cleaning

- Clean only with a dry cloth.

Alterations

- Do not open the unit.
- Do not attempt to service the unit yourself.
- Opening the chassis for any reason will void the manufacturer's warranty.

AC Adapter Operation

- Always use a DC9V center negative 500mA AC adapter. Use of an adapter other than that specified could damage the unit or cause malfunction and pose a safety hazard. Always connect the AC adapter to an AC outlet that supplies the rated voltage required by the adapter.
- Unplug the unit during lightning storms or when unused for long periods of time.

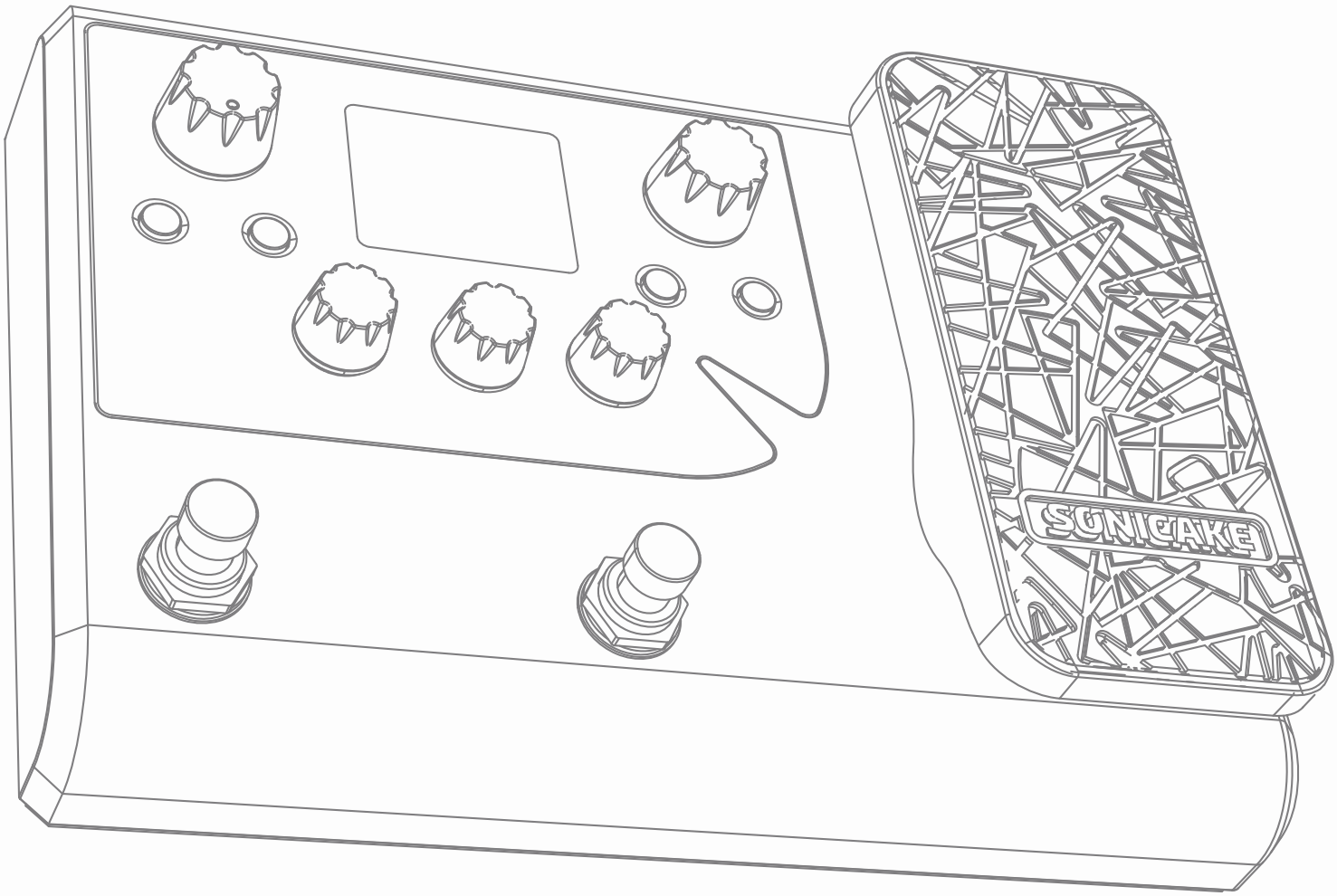
Malfunction

- If the unit should malfunction, disconnect the AC adapter and turn the power OFF immediately. Then, disconnect all other connected cables.
- Prepare information including the model name, serial number, specific symptoms related to the malfunction and contact SONICAKE support (support@sonicake.com).

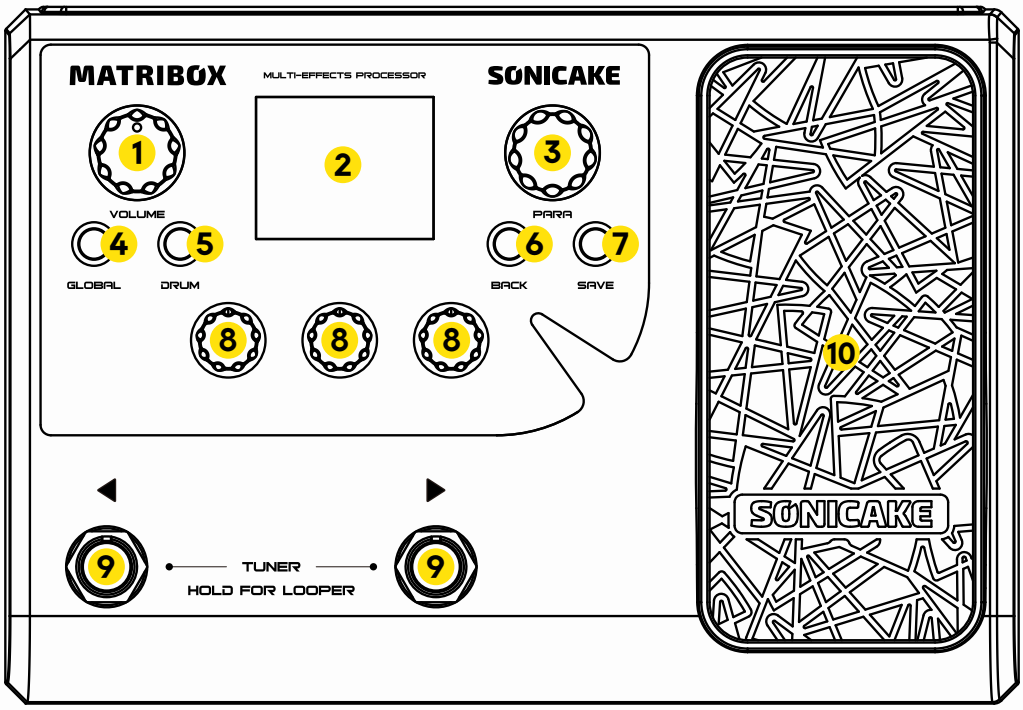
OVERVIEW

MATRIBOX is a compact multi-effects processor with potent circuit design and high quality digital effects. It contains 130+ various effects suitable for different musicians, whether you play electric guitar, acoustic guitar, bass, even keyboard, etc., it can make your playing sound more attractive.

Of course, Matribox is more professional in the sound processing of electric guitar. The 40+ legendary amplifier models and more simulators based on classic effect pedals are all derived from white-box digital modeling technology. Every detail of the tone comes from real feedback from real electronic components. 9 movable effect modules to help you create your own effect matrix.

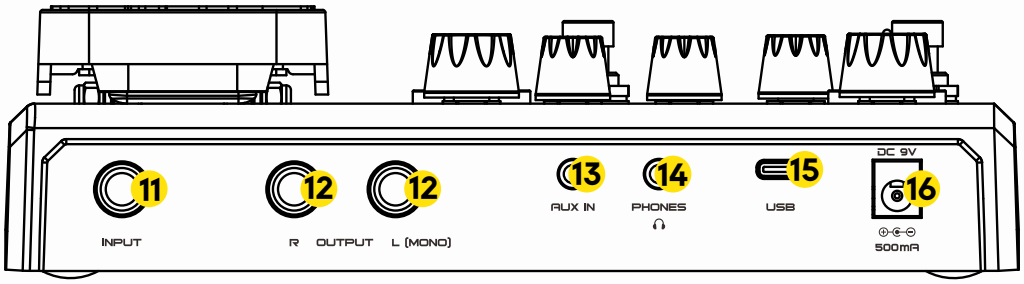


PANEL INTRODUCTION



1. Controls the master volume
2. To display preset information and other operational information
3. Can be turned or pressed to adjust parameters or change menus
4. Press to enter the Global menu
5. Press to turn on/off the drum machine, hold to enter the Drum menu
6. Press to return to the previous menu
7. Press to enter the Save menu to store changed parameters, rename or copy presets
8. To adjust the parameters at the bottom of the screen, each menu has different functions
9. To switch presets forward or backward; press together to enter the tuner; long press together to enter the looper
10. To control effect parameters or volume, and press the toe hard to switch the pedal function

PANEL INTRODUCTION



11 1/4″ TS mono input jack for plugging in your instrument

12 2 × 1/4″ TS stereo output jacks for plugging in amps or other equipment

13 1/8″ TRS stereo input for connecting external devices (phone, MP3 player)

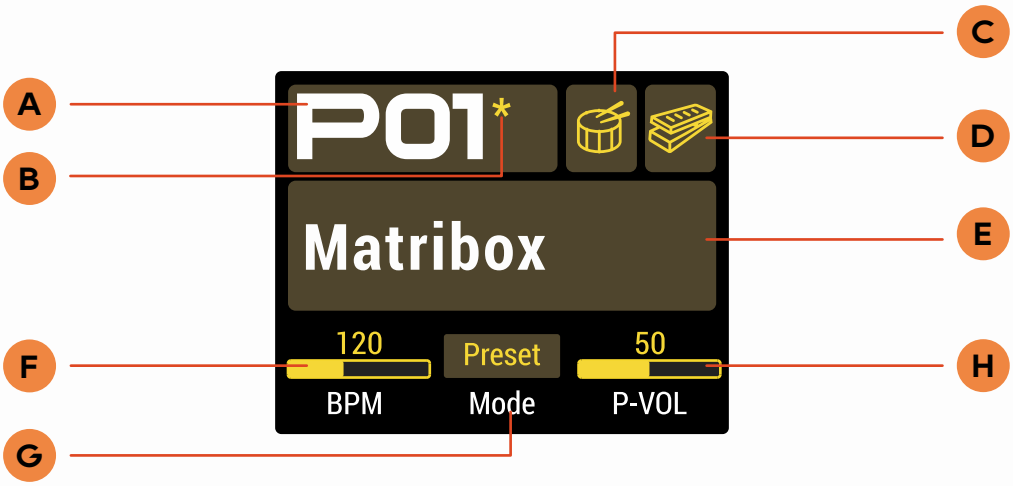
14 1/8″ TRS stereo output for plugging in headphones

15 USB Type-C connects to computer for use with supporting edit software or connects to computer/phone as an audio interface

16 Plug in the DC 9V center negative power jack

MAIN MENU

The first menu displayed after the device is powered on is used to display the main information of the device.



A Preset number: Form P01–P99 (user preset) to F01–F99 (factory preset)

B Preset state: If it appears, this preset has been changed

C Drum state: Light or dark indicates the drum is on or off

D EXP state: Light or dark indicates the EXP pedal is on or off

E Preset information: Display different preset information

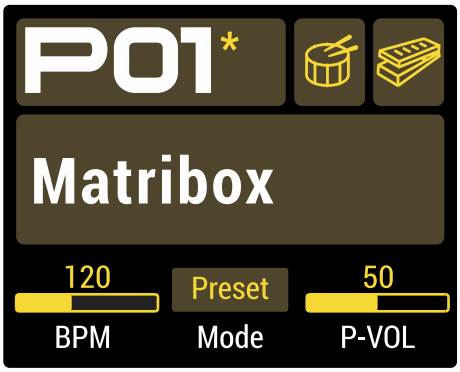
F BPM: Current preset BPM, can be adjusted from 40 to 250

G Mode: Select Preset or Stomp working modes

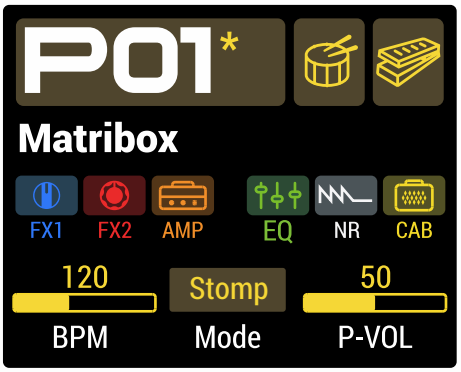
H P-VOL: Current preset volume

WORKING MODES

Matribox has two working modes, with different functions for footswitches.



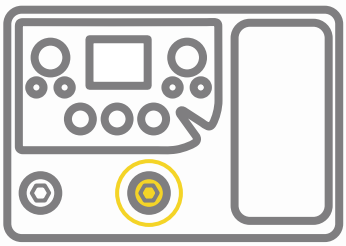
Preset Mode



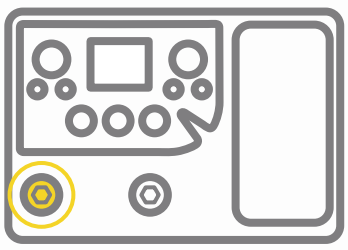
Stomp Mode

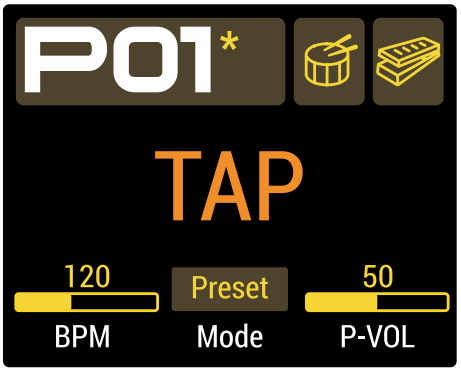
Press any footswitch in Preset Mode to switch presets.
Press any footswitch in Stomp Mode to switch the on/off status of the corresponding module, and the corresponding module of the footswitch can be set in the effects editing menu.

In the main menu, press and hold the ▶ footswitch to switch between Preset Mode and Stomp Mode.



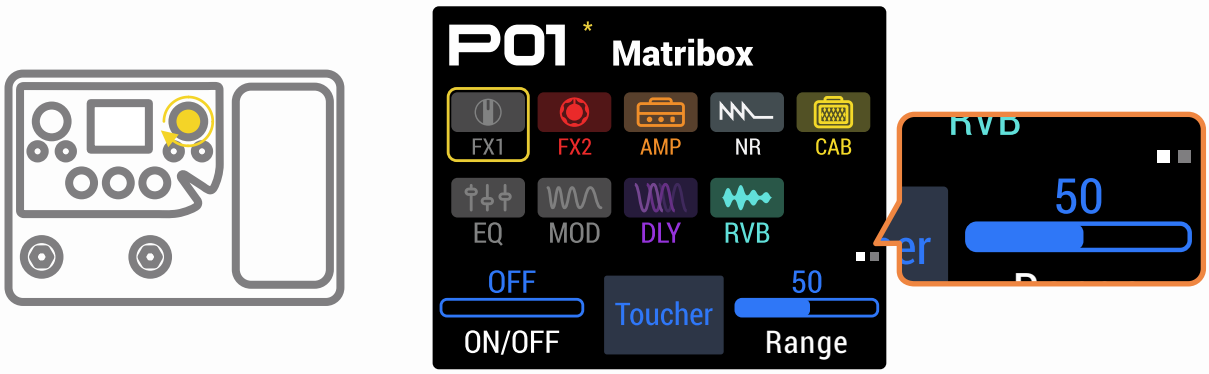
Press and hold the ◀ footswitch will change the footswitches function to Tap Tempo. The Tap Tempo function enables the footswitches to set preset BPM via tap. At this time, the screen will flash to display the current BPM.
Press and hold again ◀ footswitch to exit this function.





EFFECTS EDITING MENU

Press the PARA knob in the main menu to access the Effects Editing menu.



Under this menu, turn the PARA knob to select the module to be edited and press the PARA knob to turn the parameters of the current module to the next page. The upper right corner of the parameters bar displays the number of pages for the current module parameters.

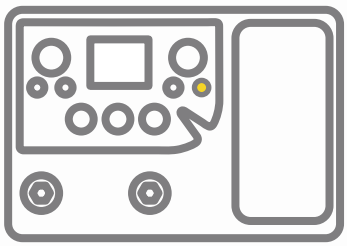
The three knobs at the bottom of the screen correspond to the three parameters in the screen parameters bar. Use them to switch modules on/off, switch effects, and adjust effects parameters.

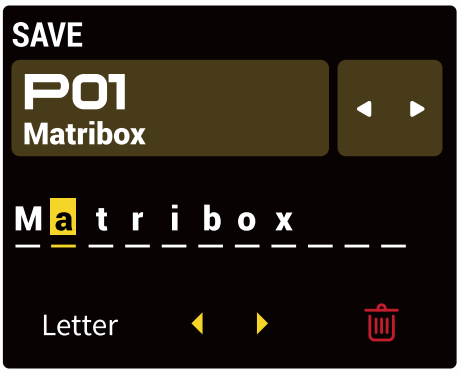
If you enter the Effects Editing menu in the Stomp mode, the FS Switch option will appear in the parameters bar, and any footswitch can be selected to control the current module on/off state.

In this menu, press and hold the PARA knob to adjust the effect chain.

SAVE

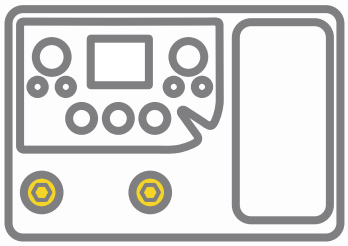
Press the SAVE button to enter the SAVE menu. Effects parameters, control information, and other editable targets can be saved to preset here. You can select the preset location you want to save in this menu, and you can also change the preset name.





TUNER

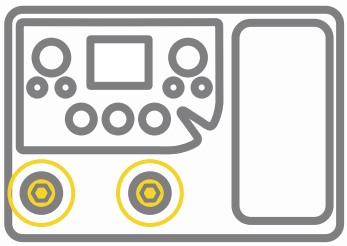
Press the ◀ and ▶ footswitches together to enter the TUNER.

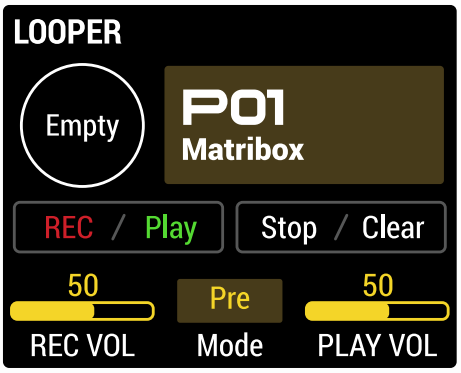


Tuner mode can be set to Mute (for silent tuning), Bypass (for dry signal through) and Thru (for effect signal through).
Tuner pitch calibration can be set from 435Hz to 445Hz.

LOOPER

Press and hold the ◀ and ▶ footswitches together to enter the LOOPER.





In this menu, press the ◀ footswitch to start recording, press the ◀ footswitch again to end recording and playback. Press the ◀ footswitch when playing to overdubbing.

Recording

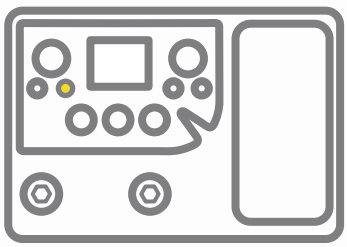
Playing

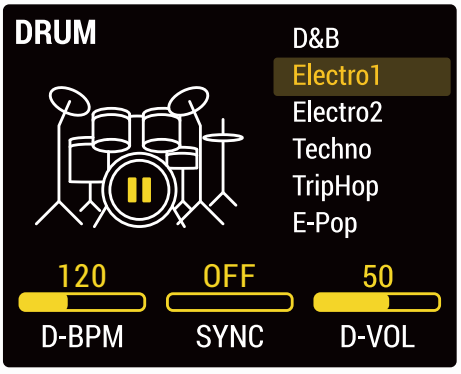
Overdubbing

Press the ▶ footswitch to stop everything. Press and hold the ▶ footswitch to clear all.
The preset can be switched by turning the PARA knob.
Looper has two modes:
Pre mode, the looper will record mono audio without any effects, up to 90 seconds;
Post mode, the looper will record stereo audio with effects, up to 45 seconds.

DRUM

Press and hold the DRUM button to enter the DRUM menu. The rhythm style, speed and volume of the drum machine can be set here.

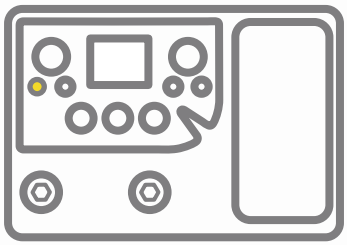




When Sync is turned on, the speed of drum machine can be synchronized with the preset BPM.

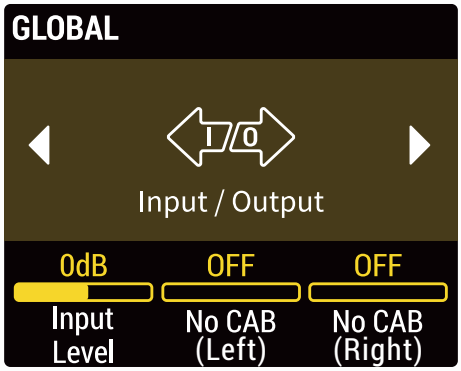
GLOBAL

Press the GLOBAL button to enter the GLOBAL menu. In the menu, turn the PARA knob to select a settings item, press the PARA knob to turn the parameters bar to the next page.



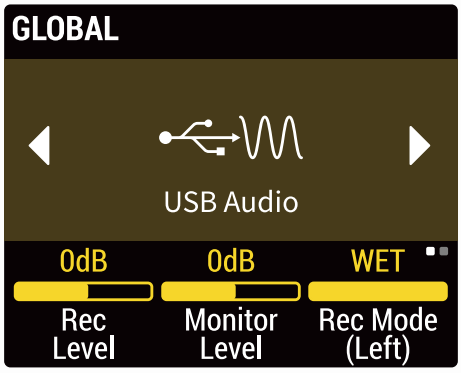
Input/Output

Input Level: Adjust the input level of the instrument, the adjustment ranges from from -20dB to 20dB.
No CAB (Left/Right): Turning this on will bypass the CAB module for Matribox's left/right output channel ignoring preset settings.



USB Audio

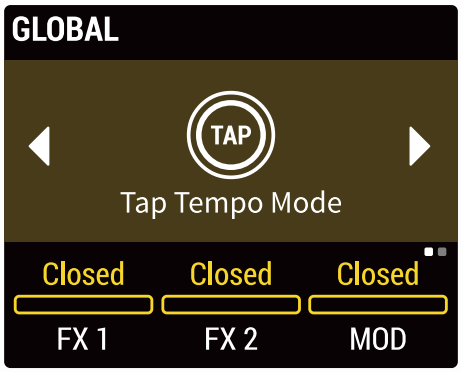
Rec Level: Adjust the volume of USB Audio recording from -20dB to 20dB.
Monitor Level: Adjust the volume of USB Audio monitoring from -20dB to 6dB.
Rec Mode (Left/Right): Optional left/right channel is dry signal or wet signal when USB recording.



GLOBAL

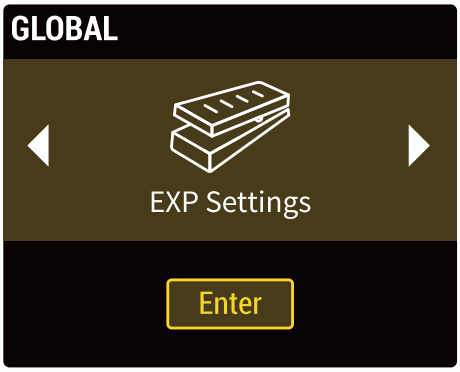
Tap Tempo Mode

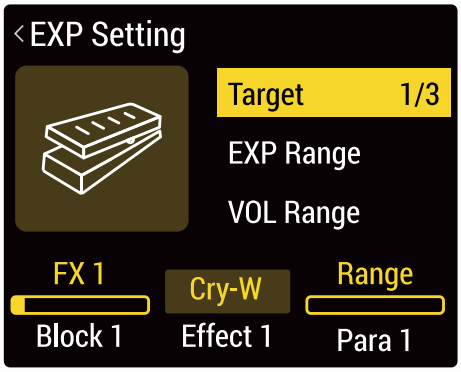
Here the FX1, FX2, DLY, MOD modules can be set to force synchronization to the preset BPM and ignore preset settings to use the Tap Tempo function.



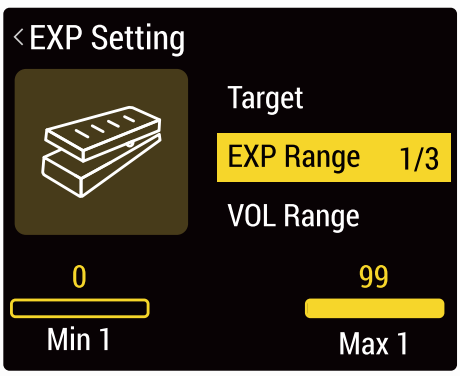
EXP Setting

Press the PARA knob to enter the EXP Setting menu.





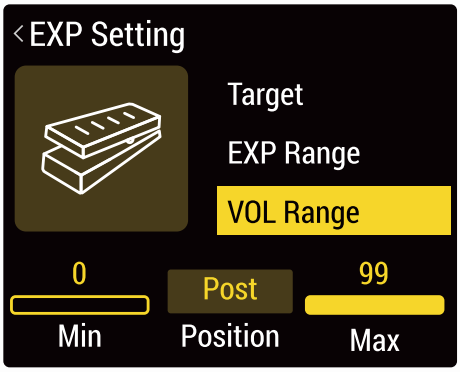
Target: Select the expression pedal control target and specific parameters of control target. Press the PARA knob to turn the page and select other targets.



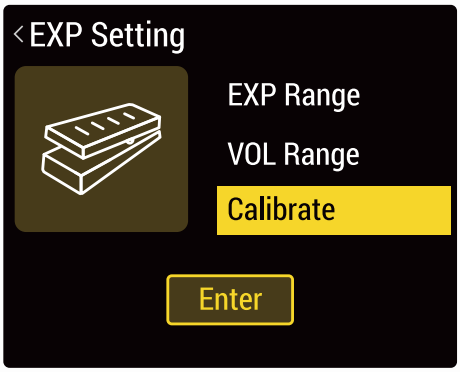
EXP Range: Adjust the maximum and minimum values of the expression pedal. Press the PARA knob to turn the page.

GLOBAL

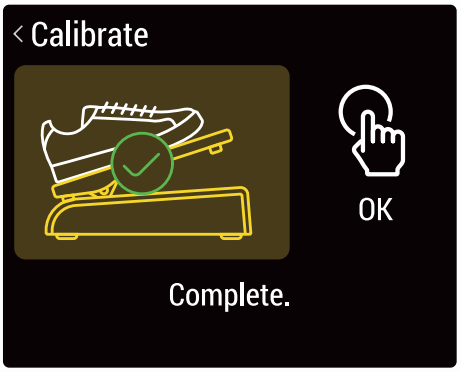
EXP Setting



VOL Range: Adjust the range and effective position of the expression pedal for volume function.



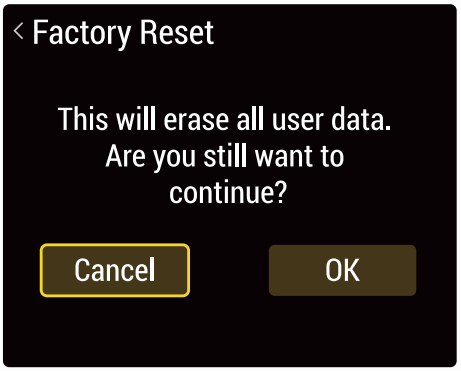
Calibrate: Press the PARA knob to enter the Calibrate menu and follow the menu information to calibrate the expression pedal.

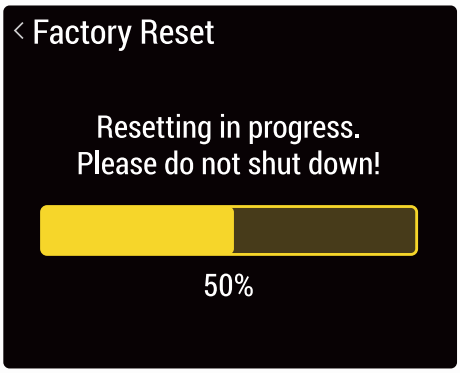


GLOBAL

Factory Reset

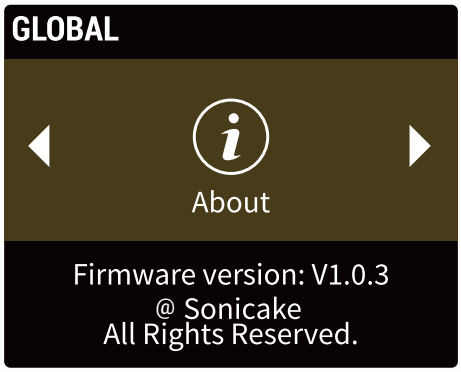
Press the PARA knob to enter the Factory Reset menu. Select OK to erase all user date to restore the device to factory status.





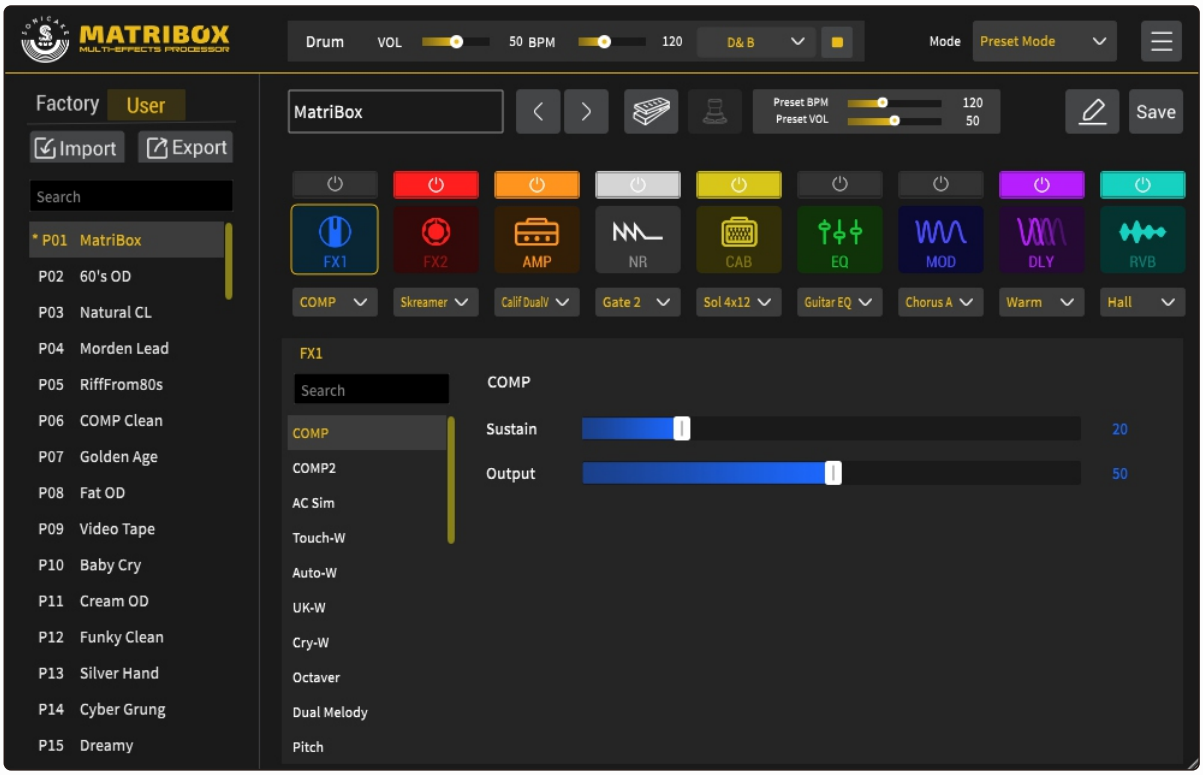
About

The About menu will show the information about Matribox's firmware.



SOFTWARE

Connect Matirbox to your computer and access the free software to manage your device, adjust tonal settings, transfer files, update firmware, restore settings, and upload third party IR files. Matirbox software is compatible with Windows and macOS platforms.
Visit www.sonicake.com/products/matribox to download the software for free.



EFFECT LIST

FX1 & FX2 modules

Name	Description
COMP	Based on the legendary Ross™ Compressor.
COMP 2	Based on the Keeley® C4 4-knob compressor*.
AC Sim	Acoustic guitar simulator designed for electric guitars.It has 4 modes: STD: Simulates a standard acoustic guitar; Jumbo: Simulates a jumbo acoustic guitar; ENH: Simulates an acoustic guitar with enhanced attack; Piezo: Simulates the sound of a piezo pickup.
Touch-W	Control the wah sound by playing intensity. It has guitar/bass 2 modes.
Auto-W	Set the rate to make the wah pedal work regularly.
UK-W	Based on legendary VOX® V846* wah pedal. To use expression pedal as a wah pedal, assign Range as control target; you'll hear the difference by switching the pedal on and moving back and forth.
Cry-W	Based on legendary Dunlop® CryBaby®* wah pedal. To use expression pedal as a wah pedal, assign Range as control target; you'll hear the difference by switching the pedal on and moving back and forth.
Octaver	Provides polyphonic octave effect.
Dual Melody	Polyphonic pitch shifter/harmonizer.
Pitch	Polyphonic pitch shifter/harmonizer.
Tape Mod	Vintage tape saturation simulator providing analog warmth and natural distortion.
Ring Mod	A ring modulator for creating interesting inharmonic frequency spectra (like bells and chimes).
Filter	A 4-step auto filter machine for creating synth-like sounds.
Boost	Based on famous Xotic® EP Booster* pedal.

EFFECT LIST

FX1 & FX2 modules

Name	Description
Skreamer	Based on legendary Ibanez® TS-808 Tube Screamer®* overdrive pedal.
Butter OD	Based on the legendary 2-knob yellow overdrive pedal with thick.
Super OD	Based on the legendary 3-knob yellow overdrive pedal.
Blues OD	Based on the legendary 3-knob Blues overdrive pedal providing full-range overdriven sound.
Dist Plus	A simple and effective distortion effect for guitars and basses.
JP Dist	It is based on a classic orange three-knob distortion effector.
Shark	Based on MI Audio® Crunch Box®* distortion pedal.
Dark Mouse	Based on legendary ProCo™ The Rat* distortion (early LM308 OP-amp version).
Fuzz Cream	Based on legendary Electro-Harmonix® Big Mu Pi®* fuzz/distortion pedal.
Red Fuzz	Based on legendary Dallas-Arbiter® Fuzz Face®* fuzz pedal.
Bass Dist	Based on a yellow bass overdrive pedal with wide tonal range.

*The manufacturers and product names mentioned above are trademarks or registered trademarks of their respective owners. The trademarks were used merely to identify the sound character of the products.

Common Parameters
Sustain – Controls the effect amount
Output – Controls the effect output volume
Attack – Controls how soon the compressor starts to process the signal
Clip – Controls the input sensitivity
Body – Controls the body resonance of the AC sim
Top – Controls the upper harmonics of the AC sim

EFFECT LIST

Common Parameters
VOL – Controls the effect output volume
Sense – Controls the sensitivity
Range – Controls the effect range
Q – Controls the filter Q
Mix/Blend – Controls the wet/dry signal ratio
Depth – Controls the effect depth
Rate – Controls the effect speed
Low/Bass – Controls the filter low frequency range
High/Treble – Controls the filter high frequency range
Sync – Switches preset BPM sync on/off
Low Oct – Controls the lower octave volume
High Oct – Controls the higher octave volume
Dry – Controls the dry signal level
Wet – Controls the wet signal ratio
H-Pitch – Controls the higher pitch by half notes or one notes
L-Pitch – Controls the lower pitch by half notes or one notes
H-Vol – Controls the high pitch volume
L-Vol – Controls the low pitch volume
Gain/Fuzz – Controls the gain amount
H-Cut – Controls the effect high cut amount
Freq – Controls the ring mod frequency
Fine – Fine tune the ring mod frequency by 1Hz
Tone/Filter – Controls the tone brightness
Step – Controls filter center frequency of different filters (steps)
Bright – Switches extra brightness on/off

EFFECT LIST

AMP Module

Name	Description
TWD Deluxe	Based on Fender® Tweed Deluxe*.
B-Man N	Based on Fender® '59 Bassman® *.
Dark Double	Based on Fender® '65 Twin Reverb® *.
Calif Star CL	Based on Mesa/Boogie® Lone Star™(CH1).
Voks 30N	Based on VOX® AC30HW* (normal channel).
Bog SV CL	Based on Bogner® Shiva* (20th Anniversary version, Ch1.
Jazz 120	Based on the legendary "Jazz Chorus" solid state combo.
Superb CL	Based Matchless™ Chieftain 212 combo* (clean tone).
Doctor CL	Based on Dr. Z® Maz 38 Sr.* combo (clean sound).
Brit 45	Based on Marshall® JTM45* (normal channel).
Brit 50JP	Based on Marshall® JMP50* ("Jump" connection).
Brit 800	Based on Marshall® JCM800* 2204.
Flyman B1	Based on the famous "Brown Eye" UK style boutique amp head (BE channel).
Doctor OD	Based on Dr. Z Maz 38 Sr.* combo (dirty tone).
Bog SV OD	Based on Bogner® Shiva* (20th Anniversary version, Ch2).
B-Man B	Based on Fender® '59 Bassman®* (Bright channel).
Voks 30TB	Based on VOX® AC30HW* (Top Boost channel).
Supero 2	Based on the Supro® Dual-Tone 1624T* (CH1+2, dirty tone).
Superb OD	Based on Matchless™ Chieftain 212 combo* (dirty tone).
Sol 100 OD	Based on Soldano® SLO100* (crunch channel)
Calif Star OD	Based on Mesa/Boogie® Lone Star (Ch2).
Calif IIC+	Based on Mesa/Boogie® Mark II C+™ (Lead channel).

EFFECT LIST

AMP Module

Name	Description
Dizzy VH	Based on Diezel® Vh4*.
Eng 120	Based on ENGL® Savage 120 E610*.
Halen 51	Based on Peavey® 5150® (LEAD channel).
Sol 100 LD	Based on Soldano® SLO100* (overdrive channel).
Calif IV	Based on Mesa/Boogie® Mark IV™ (Lead channel).
Calif DualV	Based on Mesa/Boogie® Dual Rectifier® (Vintage sound).
Calif DualM	Based on Mesa/Boogie® Dual Rectifier® (Modern sound).
Dragon LD	Based on Grindrod® Pendragon PG20C*
Flyman B1+	Based on the famous "Brown Eye" UK-style boutique amp head.
Tanger R100	Based on Orange® Rockerverb 100™* (Dirty channel).
Bog XT Blue	Based on Bogner® Ecstasy* (Blue channel).
Bog XT Red	Based on Bogner® Ecstasy* (Red channel).
A BassVT	Based on Ampeg® SVT* bass amp.
A BassFT	Based on Ampeg® B-15* "Flip Top" bass amp.
F-2Bass	Based on Alembic™ F-2B* preamp.
Voks Bass	Based on vintage VOX®* AC-100* bass amp.
Calif Bass	Based on Mesa/Boogie Bass 400* amp.
AC Preamp	Based on AER® Colourizer 2* acoustic preamp.

*The manufacturers and product names mentioned above are trademarks or registered trademarks of their respective owners. The trademarks were used merely to identify the sound character of the products.

Common Parameters
VOL/Gain – Controls the amp pre gain
Tone – Controls the tone brightness

EFFECT LIST

Common Parameters
Cut – Counterclockwise controls the tone brightness
Output/Master/VOL – Controls the amp output volume
PRES – Controls the amp presence
Bass – Controls the amp low frequency response
Middle – Controls the amp mid frequency response
Treble – Controls the amp high frequency response
Bright – Switches extra brightness on/off
Char – Selects from 2 gain ranges (Cool/Hot)
MRange – Selects mid frequency ranges
Balance – Controls the tone control balance
Freq – Controls the EQ center frequency
EQ Q – Controls the EQ bandwidth
EQ Gain – Controls the EQ boost/cut amount

NR Module

Name	Description
Gate 1	Based on the famous ISP® Decimator™* noise gate pedal.
Gate 2	Flexible noise gate with attack and release control

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Common Parameters
Thre – Controls the noise gate threshold
Attack – Controls how fast the noise gate start to process signal
Rel – Controls the noise gate release time when signal level reaches

EFFECT LIST

CAB Module

Name	Description
Supero 1x6	Supro®* 1x6″ cabinet with oval speaker.
TWD 1x8	Fender® Champ* 1x8″ cabinet.
TWD-P 1x10	Fender® Princeton* 1x10″ cabinet.
Bog SV 1x12	Bogner® Shiva* 1x12″ cabinet.
Viblux 1x12	Fender® Vibrolux* 1x12″ cabinet.
Voks 1x12	VOX® AC15* 1x12″ cabinet.
Calif 1x12	1980's Mesa/Boogie®* 1x12″ cabinet.
TWD 2x12	Custom modified Fender®* 2x12″ cabinet.
Double 2x12	Fender® '65 Twin Reverb* 2x12″ cabinet.
Star 2x12	Mesa/Boogie® Lonestar* 2x12″ cabinet.
Rock 2x12	Two-Rock®* 2x12″ cabinet.
Jazz 2x12	Legendary "Jazz Chorus" 2x12″ cabinet.
BritGN 2x12	Marshall® 2550* 2x12″ cabinet.
Free 2x12	Fryette® Deliverance* 2x12″ cabinet.
B-Man 4x10	Fender® "59 Bassman * 4x10″ cabinet.
Brit75 4x12	Marshall®* 4x12″ cabinet with Celestion® G12T-75* speakers.
BritGN 4x12	Marshall® 4x12″ cabinet with Celestion® Greenback®* speakers.
BritLD 4x12	Marshall® 1960AV* 4x12″ cabinet.
BritDK 4x12	1968 Marshall®* 4x12″ cabinet.
BritMD 4x12	Custom modified Marshall®* 4x12″ cabinet.
Bog 4x12	Bogner® Uberkab* 4x12″ cabinet.
Dizzy 4x12	Diezel®* 4x12″ cabinet.

EFFECT LIST

CAB Module

Name	Description
Eng 4x12	ENGL®* 4x12″ cabinet.
Halen 4x12	Peavey® 6505* 4x12″ cabinet.
Sol 4x12	Soldano®* 4x12″ caninet.
Calif 4x12	Mesa/Boogie® Road King®* 4x12″ cabinet.
Dual 4x12	Mesa/Boogie® Rectifier®* 4x12″ cabinet.
WAM 4x12	WEM 4x12* cabinet with four 12-inch Fane* speakers.
Tanger 4x12	Orange® PPC412* 4x12″ cabinet.
Watt 4x12	Hiwatt® SE4123* 4x12″ cabinet.
Calif 2x10	Mesa/Boogie® * 2x10″ bass cabinet.
Work 4x10	SWR® Workingman's* 4x10″ bass cabinet
A Bass 4x10	Ampeg® SVT-410HE* 4x10″ bass cabinet.
A Bass 8x10	Ampeg® SVT-810E* 8x10″ bass cabinet.
D	Dreadnought guitar simulation.
OM	Simulates an OM type acoustic guitar.
Jumbo	Simulates a jumbo acoustic guitar.
GA	Simulates a GA type acoustic guitar.

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Common Parameters
VOL – Controls the output volume

EFFECT LIST

EQ Module

Name	Description
Guitar EQ	Equalizer designed for guitars.
Bass EQ	Equalizer designed for bass.

Common Parameters
XX Hz – Boosts/cuts the frequency band
VOL – Controls the output volume

MOD module

Name	Description
Chorus A	Based on legendary Arion® SCH-1* stereo chorus pedal.
Chorus B	Based on the legendary huge ensemble chorus pedal born in late 1970s (chorus mode).
Detune	This is a detuning effect that combines a slightly shifted signal with the original signal to create a chorus-like tone.
Flanger	Classic flanger effect, producing rich and natural flanger tone.
Phaser	Based on legendary MXR® M101 Phase 90*.
Vibrato	Based on a BBD-based blue vibrato pedal, producing natural analog vibrato sound.
Vibe	Based on Voodoo Lab® Micro Vibe*.
Tremolo	Based on legendary Demeter® TRM-1Tremulator*, offering classical opto tremolo sound.
Sine Trem	Sine tremolo waveforms and super wide tonal range.
Bias Trem	Bias tremolo waveforms and super wide tonal range.

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EFFECT LIST

Common Parameters
Depth – Controls the effect depth
Rate – Controls the effect speed
Tone – Controls the tone brightness
VOL – Controls the effect output volume
Detune – Controls the detune amounts by 1 cent
Wet – Controls the wet signal level
Dry – Controls the dry signal level
Pre Delay – Controls the pre delay time
FdBk – Controls the feedback amount
Bias – Controls the waveform offset amount
Sync – Switches preset BPM sync on/off

DLY module

Name	Description
Warm	Based on the legendary 3-knob BBD analog delay pedal with "REPEAT RATE" control.
Pure	Produce pure, precise delay sound.
Mag	Simulates solid-state tape echo sound.
Tube	Simulates tube-driven tape echo sound.
999 Echo	Based on Maxon® AD900 Analog Delay*.
Reverse	Producing a special delay effect with reversed feedback.
Slap	Simulates the classic slapback echo effect.
Rack	Reproduces the sound of a vintage 1980's rack-mount delay machine with slightly sample-reduced feedback.

EFFECT LIST

DLY module

Name	Description
Sweep	Producing a delay effect with sweeping filter modulated repeats.
Ping Pong	A ping-pong delay producing stereo feedback bounces back and forth between left and right channels.
Tape	Simulates multi tape delay sound.

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Common Parameters
Mix – Controls the wet/dry signal ratio
Time –Controls the delay time
Fdbk – Controls the feedback amount
Mod – Controls the modulation amount
Tone – Controls the effect tone brightness
S-Depth – Controls the sweeping depth
S-Rate – Controls the sweeping speed
Sync – Switches preset BPM sync on/off
Trail – Switches effect trail on/off

RVB module

Name	Description
Room	Simulates the spaciousness of a room.
Hall	Simulates the spaciousness of a performance hall.
Church	Simulates the spaciousness of a church.

EFFECT LIST

RVB module

Name	Description
Plate	Simulates the sound character produced by a vintage plate reverberator.
Spring	Simulates the sound character produced by a vintage spring reverberator.
Sky	Special-tuned reverb effect with lush, bright decays.
Sea	Special-tuned reverb effect with huge, deep decays.
Mod RVB	Produces a modulated reverb effect that is lush and sweet.

Common Parameters
Mix – Controls the wet/dry signal ratio
Pre Delay – Controls the pre delay time
Decay – Controls the reverb decay time
H-Damp – Controls the high cut amount
Tone – Controls the effect tone brightness
Lo End – Controls the effect low frequency amount
Hi End – Controls the efect high frequency amount
Trail – Switches effect trail on/off

TROUBLESHOOTING

Device Won't Turn On

- Make sure the power supply is properly connected.
- Check if the power adapter is working properly.
- Check if you're using the correct power adapter.

No Sound Or Slight Sound

- Make sure your cables are connected properly.
- Make sure the volume knob is adjusted properly.
- When the expression pedal is used for volume control, check it's position and volume settings.
- Check the effects module volume settings.
- Check the preset volume settings.
- Make sure your input device is not muted.

Noise

- Make sure your cables are connected properly.
- Check your instrument output jack.
- Check if you're using the correct power adapter.
- If the noise is coming from your instrument, try using the noise reduction module to adjust it.

Sound Problems

- Make sure your cables are connected properly.
- Check your instrument output jack.
- If you're using this device with other pedas, check to see if other pedas are set up properly.
- Check your effects parameter setup. If effects are set to extremes, Matribox may only emit noise.

Problems With Expression Pedal

- Check your expression pedal on/off settings.
- Try calibrating the pedal.

SPECIFICATION

Technical Specifications

A/D/A Converter: 24-bit high performance audio
Sampling Frequency: 44.1 kHz
SNR: 110dB
Maximum Simultaneous Effects: 9
Preset Memory: 99 User Presets/99 Factory Presets
Looper: 90 seconds of record time
Drum Machine: 100 Patterns

Analog Input Connections

Guitar Input: 1/4" Unbalanced (TS), 1M Ohms
Aux Input: 1/8" Stereo (TRS), 10k Ohms

Analog Output Connections

Left/Right Outputs: 1/4" Unbalanced (TS), 1k Ohms
Headphone Output: 1/8" Stereo (TRS), 47 Ohms

Digital Connections

USB Port: USB 2.0 Type-C Port

USB Recording Specification

Sample Rate: 44.1 kHz
Bit Depth: Supports 16-bit or 24-bit

Size and Weight

Dimensions: 200mm (W) x 137.5mm (D) x 53.6mm (H)
Unit Weight: 732g

Power

Power Requirements: DC 9V center negative, 500mA